

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ALEX PADA Examiner #: 78217 Date: 6-25-03  
Art Unit: 3714 Phone Number: 308-7135 Serial Number: 091977243  
Mail Box and Bldg/Room Location: 100-28 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the conception or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: HAND-HELD ELECTRONIC TOY

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>James Hough</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____



# STIC Search Report

## EIC 3700

STIC Database Tracking Number: 97483

TO: Alex Rada  
Location: CP2 10D28  
Art Unit: 3714

Case Serial Number: 09/977243

From: Jeanne Horrigan  
Location: EIC 3700  
CP2-2C08  
Phone: 305-5934

[jeanne.horrigan@uspto.gov](mailto:jeanne.horrigan@uspto.gov)

### Search Notes

Attached are the search results for the PDAs for children, including results of inventor and prior art searches in foreign/international patent databases and prior art searches in product and education non-patent literature databases. I also searched the Web using the Google search engine.

*Search was very narrow. I can expand the Web search if you want.*  
I found nothing under the inventor's name in my inventor search. The results of the prior art searches are organized into three sets: non-patent literature, foreign and international patents, and Internet.

Results appear after the database names and search strategy used for those results. I tagged only one item that I thought seemed most relevant, but I suggest that you review all of the results (especially because I had a hard time understanding the art).

Also attached is a search feedback form. Completion of the form is voluntary. Your completing this form would help us improve our search services.

I hope the attached information is useful. Please feel free to contact me (phone 305-5934 or email [jeanne.horrigan@uspto.gov](mailto:jeanne.horrigan@uspto.gov)) if you have any questions or need additional searching on this application.



File 35:Dissertation Abs Online 1861-2003/May  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
File 65:Inside Conferences 1993-2003/Jun W4  
File 2:INSPEC 1969-2003/Jun W3  
File 233:Internet & Personal Comp. Abs. 1981-2003/May  
File 474:New York Times Abs 1969-2003/Jun 25  
File 475:Wall Street Journal Abs 1973-2003/Jun 25  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/May

Set	Items	Description
S1	7452	PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? ?
S2	4639	(HANDHELD OR HAND()HELD) (2W) (COMPUTER? ? OR INFORMATION()D-EVICE? ?)
S3	273271	CHILDREN OR CHILD OR KID OR KIDS OR JUVENILE? ? OR YOUNGST-ER? ? OR (BOY? ? AND GIRL? ?)
S4	43313	(ELEMENTARY OR MIDDLE OR NURSERY)()SCHOOL? ? OR ELEMENTARY-()GRADES OR GRADE()SCHOOL? ? OR PRESCHOOL? ? OR PRE()SCHOOL? ? OR KINDERGARTEN? ?
S5	1767601	COMPUTER? ? OR DIGITAL
S6	8813	(S1 AND S5) OR S2
S7	15	S6(3N)S3
S8	1	S6(3N)S4
S9	16	S7:S8
S10	15	RD (unique items)
S11	6	S10/2002:2003
S12	9	S10 NOT S11
S13	9	Sort S12/ALL/PY,D

**13/9/1 (Item 1 from file: 475)**

DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2003 The New York Times. All rts. reserv.  
08099681 NYT Sequence Number: 000000010511

**JUNIOR'S FIRST ELECTRONIC ORGANIZER**

Lipton, Lauren (Byliner)

Wall Street Journal, Col. 1, Pg. 16, Sec. W

Friday May 11 2001

DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Catalog Critic column looks at personal digital assistants (PDA) for young people; photo; chart (M)

SPECIAL FEATURES: Chart; Photo

DESCRIPTORS: **Computers** and the Internet; **Children** and Youth

PERSONAL NAMES: Lipton, Lauren (Byliner)

**13/9/2 (Item 2 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 Info. Today Inc. All rts. reserv.

00639651 01NY08-305

**Keeping up in class with software for a hand-held**

Selingo, Jeffrey

The New York Times , August 23, 2001 , pG9, 1 Page(s)

ISSN: 0362-4331

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Discusses the growing popularity of Palm-based hand-held computers among

elementary, high school, and middle school students in the United States. Describes how students utilize the pocket computers in their school work to track assignments, prepare for tests, and even conduct science experiments. Says that most educational programs involve a nominal registration fee while many are available in free trial versions. Explains the features of the Palm personal digital assistant software Due Yesterday. Mentions that math and science software for students is also available for hand-held computers, such as: Bubble Blasters, a math game with floating bubbles that contain answers to multiple-choice questions about fractions, decimals and mixed numbers; ImagiProbe, which allows users to conduct science experiments; and BoneUP, test preparation software. Includes three photos. (NAR)

Descriptors: Electronic Learning Aids; Educational Computing; Hand - held Computer ; Pocket Computer ; Middle School ; Elementary Education; Secondary Education

13/9/4 (Item 4 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00636014 01NY07-204

**Ancient Egypt, with a pager as your guide**

Greenman, Catherine

The New York Times , July 19, 2001 , pG7, 1 Page(s)

ISSN: 0362-4331

Company Name: Port Discovery Children's Museum; Aether Systems

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that the Port Discovery Children's Museum of Baltimore, MD, is offering children who visit an exhibition about ancient Egypt the use of a BlackBerry pager to lead them through a series of interactive activities designed to enhance what they see on the exhibition floor. Mentions that about 90 of the devices, which are linked to a network provided by Aether Systems, are available free with admission. Explains that the children are assigned to a group and given the identity of a 1920's-era archaeologist on a mission to find the tomb of a lost pharaoh. Notes that other museums are exploring how wireless devices can be used both at and away from the museum. Concludes that from a museum operator's standpoint, incorporating wireless devices into exhibitions is an effective way of giving them new life. Includes a photo. (sdb)

Descriptors: Museum; Children ; Hand-held Computer ; His tory^ Wi ; Wireless Networking

Identifiers: Port Discovery Children's Museum; Aether Systems

13/9/5 (Item 5 from file: 474)

DIALOG(R) File 474:New York Times Abs

(c) 2003 The New York Times. All rts. reserv.

07767782 NYT Sequence Number: 405574000323

**OUT OF THE MOUTHS OF BABES, WIRELESSLY**

Marriott, Michel

New York Times, Col. 5, Pg. 1, Sec. G

Thursday March 23 2000

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT:

New wave of low-cost, handheld personal communication devices aimed at

teenagers and children will be on retail shelves this summer, with second wave expected in time for new school year; devices include such features as ability to beam voice and text messages wirelessly at distances of up to 100 feet, giving parents and educators something new to worry about; one such device is Lightning Mail, from Tiger Electronics--\$60; Lightning Mail has ability, when plugged into phone jack, to send and receive e-mail from anywhere; some technology experts suggest that these child-friendly devices will prove previews of some of more sophisticated features adults may one day have in their own personal digital assistants; photos of new devices (M)  
SPECIAL FEATURES: Photo

COMPANY NAMES: Tiger Electronics Inc

DESCRIPTORS: **Computers** and the Internet; **Children** and Youth; Prices (Fares, Fees and Rates); Electronic Mail; Telephones and Telecommunications; Computers and the Internet

PERSONAL NAMES: Marriott, Michel

13/9/6 (Item 6 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2003 The HW Wilson Co. All rts. reserv.

2254370 H.W. WILSON RECORD NUMBER: BAST00040984

Some creativity required

Montfort, Nick;

Technology Review (Cambridge, Mass.: 1998) v. 103 no4 (July/Aug. 2000) p. 110-11

DOCUMENT TYPE: Feature Article ISSN: 1099-274X LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: Since 1999's Lego Mindstorms construction kits, toy makers have tentatively launched products that offer children the chance to program, create, and invent. Mindstorms, which lets kids build and program mobile robots, was the first extensively programmable item to hit toy stores. New gadgets joined Mindstorms in the spring, such as the **Cybiko, a child -friendly personal digital assistant**, as well as a crude, inexpensive video camera that could place digital moviemaking in the hands of the young and allowance-independent. Both products conform to the view articulated by Media Lab professor Justine Cassell, who argues that the industry's emphasis on smart toys is misplaced and that it should not be the case that the toy is smart but that the toy should let the child be smart or creative in new ways.

DESCRIPTORS: Electronic toys and games--Design; Robot construction kits;

13/9/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6354984 INSPEC Abstract Number: C1999-10-7110-012

Title: Designing handheld technologies for kids

Author(s): Inkpen, K.M.

Author Affiliation: Sch. of Comput. Sci., Simon Fraser Univ., Burnaby, BC, Canada

Journal: Personal Technologies vol.3, no.1-2 p.81-9

Publisher: Springer-Verlag,

Publication Date: 1999 Country of Publication: UK

CODEN: PERTF2 ISSN: 0949-2054

SICI: 0949-2054(1999)3:1/2L.81:DHTK;1-Q

Material Identity Number: H233-1999-005

U.S. Copyright Clearance Center Code: 0949-2054/99/\$2.00+0.20

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Computers are becoming an important tool in learning environments; however, children's access to computer technology is often limited. Computers are commonly placed at the back of the classroom or in a separate computer room. At home, if computers are available, they are often found in a home-office or another communal area. In both cases, the physical location of the computers is separate from many places where children's activities and learning occur. Flexible access to technology will provide tools to help children construct knowledge throughout their daily activities. The growth of handheld computers provides the potential to integrate computer technology into the many facets of children's lives. The paper investigates issues surrounding the design of **handheld computers** for **children**'s use in learning environments. It focuses on child-centred design, engaging children as active participants in the design of handheld technologies. Two central issues are addressed: mobility and sharability. (19 Refs)

Subfile: C

Descriptors: educational computing; ergonomics; groupware; human factors; notebook computers; user centred design; user interfaces

Identifiers: handheld technology design; kids; learning environments; child access; computer technology; classroom; physical location; flexible access; daily activities; handheld computer design; child-centred design; active participants; handheld technologies; mobility; shareability; child centred participatory design; handheld computing

Class Codes: C7110 (Educational administration); C7810C (Computer-aided instruction); C5430 (Microcomputers); C6180 (User interfaces); C0240 (Ergonomic aspects of computing); C6110 (Systems analysis and programming); C6130G (Groupware)

Copyright 1999, IEE

13/9/8 (Item 8 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02997971 INSIDE CONFERENCE ITEM ID: CN031765915

**The Children's Machines: Handheld and Wearable Computers Too**

Mikhak, B.; Martin, F.; Resnick, M.; Berg, R.

CONFERENCE: Handheld and ubiquitous computing-International symposium;

1st LECTURE NOTES IN COMPUTER SCIENCE, 1999; ISSUE 1707 P: 31-43

Springer, 1999

ISSN: 0302-9743 ISBN: 3540665501

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Gellersen, H.-W.

CONFERENCE LOCATION: Karlsruhe, Germany

CONFERENCE DATE: Sep 1999 (199909) (199909)

BRITISH LIBRARY ITEM LOCATION: 5180.185000

NOTE: Also known as HUC'99

DESCRIPTORS: handheld computing; ubiquitous computing; HUC

13/9/9 (Item 9 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00496061 98TL05-008

**Notebooks and PDAs: pint-sized computing powerhouses**

O'Donovan, Eamonn

Technology & Learning , May 1, 1998 , v18 n9 p63-66, 4 Page(s)

ISSN: 1053-6728

Languages: English

Document Type: Buyer and Vendor Guide

Geographic Location: United States

Presents a section of buyers' guides discussing notebooks, **personal digital assistants (PDAs), mini-notebooks, portable keyboards, and durable devices for children**. Articles include: ``Update: Notebooks and PDAs: Pint-Sized Computing Powerhouses'' (p63), an introduction; ``Notable Notebooks'' (p64), a guide to six vendors; ``Almost as Powerful, Not as Heavy'' (p64), a guide that presents information on two mini-notebooks; ``PDAs at Your Service'' (p65), a guide to six products from six companies; ``Portable Keyboard Solutions'' (p66), a guide to three products from three companies; and ``Portable Solutions For Kids'' (p66), a guide to three durable portable machines for children from three companies. (bjp)

Descriptors: Portable Computer; Laptop Computers; Hand-held Computer;  
**Personal Digital Assistant ; Hardware Review; Keyboard; Children**

File 1:ERIC 1966-2003/Jun 17  
File 121:Brit.Education Index 1976-2003/Q2  
File 437:Education Abstracts 1983-2003/May

Set	Items	Description
S1	105	PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? ?
S2	156	(HANDHELD OR HAND()HELD) (2W) (COMPUTER? ? OR INFORMATION() D- EVICE? ?)
S3	289695	CHILDREN OR CHILD OR KID OR KIDS OR JUVENILE? ? OR YOUNGST- ER? ? OR (BOY? ? AND GIRL? ?)
S4	144112	(ELEMENTARY OR MIDDLE OR NURSERY) ()SCHOOL? ? OR ELEMENTARY- ( )GRADES OR GRADE()SCHOOL? ? OR PRESCHOOL? ? OR PRE()SCHOOL? ? OR KINDERGARTEN? ?
S5	6	PALM()PILOT? ?
S6	0	(S1 OR S2 OR S5) (3N)S3:S4
S7	29	(S1 OR S2 OR S5) AND S3:S4
S8	29	RD (unique items)
S9	11	S8/2002:2003
S10	18	S8 NOT S9
S11	18	Sort S10/ALL/PY

11/6/1 (Item 1 from file: 1)  
00262172 ERIC NO.: ED116966 CLEARINGHOUSE NO.: SE020234  
**Elementary School Mathematics: A Guide to Current Research. Fourth**  
**Edition.**  
1975 (19750000)

11/6/3 (Item 3 from file: 1)  
00716947 ERIC NO.: EJ404820 CLEARINGHOUSE NO.: CG537051  
**Determinants of Perceived Deficiency of Autonomy among Elementary School**  
**Administrators**  
1989 (19890000)

11/6/5 (Item 5 from file: 1)  
01045016 ERIC NO.: ED372357 CLEARINGHOUSE NO.: CG025759  
**Use of Technology in Counselor Supervision. ERIC Digest.**  
April 1994 (19940400)

11/6/6 (Item 6 from file: 1)  
01045085 ERIC NO.: ED378755 CLEARINGHOUSE NO.: EC303653  
**Assistive Technology for Students with Mild Disabilities. ERIC Digest E529.**  
January 1995 (19950100)

11/6/10 (Item 10 from file: 1)  
00993575 ERIC NO.: EJ568690 CLEARINGHOUSE NO.: EC619502  
**Computerized Systems for Collecting Real-Time Observational Data.**  
1998 (19980000)

11/6/11 (Item 11 from file: 1)  
01041474 ERIC NO.: ED437322 CLEARINGHOUSE NO.: SO031275  
**Texas Social Studies Framework, Kindergarten -Grade 12. Research and**  
**Resources for Designing a Social Studies Curriculum.**  
1999 (19990000)

11/6/13 (Item 13 from file: 1)  
01065647 ERIC NO.: ED446406 CLEARINGHOUSE NO.: EC308094  
**Physical Disabilities in the Land of Karma Theory.**



April 05, 2000 (20000405)

11/6/15 (Item 15 from file: 1)  
01106663 ERIC NO.: ED457858 CLEARINGHOUSE NO.: IR021019  
Successful K-12 Technology Planning: Ten Essential Elements. ERIC Digest.  
October 2001 (20011000)

11/6/16 (Item 16 from file: 437)  
0761348 H.W. WILSON RECORD NUMBER: BEDI01022482  
Information leader-acy  
20010800

11/6/18 (Item 18 from file: 437)  
0722136 H.W. WILSON RECORD NUMBER: BEDI01004058  
Kids on the run: mobile technology  
20010100

11/9/7 (Item 7 from file: 437)  
DIALOG(R) File 437: Education Abstracts  
(c) 2003 The HW Wilson Co. All rts. reserv.  
0590165 H.W. WILSON RECORD NUMBER: BEDI95028457  
Small, but perfectly formed; palmtops could be a low-cost way of giving every child use of a computer for home study  
Frost, Roger  
The Times Educational Supplement (Times Educ Suppl) no4138 (Oct. 20 1995 supp Update) p. 6  
DOCUMENT TYPE: Feature Article ISSN: 0040-7887  
LANGUAGE: English  
RECORD STATUS: Corrected or revised record  
ABSTRACT: Palmtop computers could be a low cost way of giving every child access to a computer for home study. This has been the case at Our Lady's Grammar School, Newry, Northern Ireland, where staff and a whole year group use Acorn's Pocket Book computers. The computer is smaller than a paperback book, runs for months on two AA batteries, and includes a word processor, a spreadsheet, and a graph mode.  
DESCRIPTORS: Handheld computers

11/9/9 (Item 9 from file: 437)  
DIALOG(R) File 437: Education Abstracts  
(c) 2003 The HW Wilson Co. All rts. reserv.  
0590526 H.W. WILSON RECORD NUMBER: BEDI97017902  
**Palms take root in East London;** literacy and numeracy project at Drew School, Newham, England  
McTaggart, Maureen  
The Times Educational Supplement (Times Educ Suppl) no4225 (June 20 1997) p. supp23  
DOCUMENT TYPE: Feature Article ISSN: 0040-7887  
LANGUAGE: English  
RECORD STATUS: Corrected or revised record  
ABSTRACT: A number of schools in east London, Great Britain, are providing children with palm-top computers in an innovative project designed to improve literacy and numeracy skills. Prompted by a report that heavily criticized reading standards in two of the boroughs involved, the project aims to double children's rates of acquisition of literacy and raise expectations, with the use of computers designed to encourage parental involvement and motivate students to learn.

DESCRIPTORS:

Computers--Educational use-- **Elementary schools ; Handheld computers**  
GEOGRAPHIC NAMES: London (England)--Education

11/9/8 (Item 8 from file: 437)

DIALOG(R) File 437: Education Abstracts

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0590272 H.W. WILSON RECORD NUMBER: BEDI96014167

**Put IT in your pocket; use of Acorn Pocket Book computers**

Tatlock, Sally-Ann

Child Education (Child Educ (Engl)) v. 73 (May 1996) p. 24-5

DOCUMENT TYPE: Feature Article ISSN: 0009-3947

LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: An **elementary school** in Great Britain found that using Acorn Pocket Book computers opened up vistas for key stage 1 students. It was found that the pocket books enabled young students to look at the screen and the keys simultaneously, that the small keys presented no problem to the students, that it was easy to switch between different file types, that **children** of all ability levels were highly motivated to succeed, and that it was easy to teach **children** in large groups.

DESCRIPTORS:

Computers--Educational use-- **Elementary schools ; Handheld computers ;**  
Acorn computers; Science--Computer aids

11/9/14 (Item 14 from file: 437)

DIALOG(R) File 437: Education Abstracts

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0648580 H.W. WILSON RECORD NUMBER: BEDI00014054

**The design of personal mobile technologies for lifelong learning**

Sharples, Mike 1952-

Computers & Education (Comput Educ) v. 34 no3-4 (Apr./May 2000) p. 177-93

DOCUMENT TYPE: Feature Article ISSN: 0360-1315

LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: This paper sets out a framework for the design of a new genre of educational technology--personal ( **handheld** or wearable) **computer** systems that support learning from any location throughout a lifetime. We set out a theory of lifelong learning mediated by technology and indicate how it can provide requirements for the software, hardware, communications and interface design of a handheld learning resource, or HandLeR. The paper concludes with a description and formative evaluation of demonstrator system for **children** aged 7-11. Reprinted by permission of the publisher.

DESCRIPTORS:

**Handheld computers ;** Human-computer interaction; Computers and **children**

11/9/17 (Item 17 from file: 437)

DIALOG(R) File 437: Education Abstracts

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0751695 H.W. WILSON RECORD NUMBER: BEDI01012976

**Making palm-sized computers the PC of choice for K-12**

Soloway, Elliot

Norris, Cathleen A; Curtis, Michael

Learning and Leading with Technology (Learn Lead Technol) v. 28 no7 (Apr. 2001) p. 32-4, 56-7

DOCUMENT TYPE: Feature Article ISSN: 1082-5754

LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: The writers consider the use of palm-sized computers in the K-12 school. Outfitted with suitable software, a palm-sized computer can provide the K-12 community with personal, pervasive access to networked computational resources to support student learning. Such computers support cycles of doing and reflecting, support sharing and collaboration, support teachers in evaluating students' progress, support teachers in managing class assignments, and support teachers in creating student-specific instruction. Moreover, the cost of integrating such instruction is well within reason per **child** and the functionality provided is extremely relevant to learning and teaching.

DESCRIPTORS:

**Handheld computers** ; Computers--Educational use

File 15:ABI/Inform(R) 1971-2003/Jun 26  
File 9:Business & Industry(R) Jul/1994-2003/Jun 26  
File 610:Business Wire 1999-2003/Jun 27  
File 810:Business Wire 1986-1999/Feb 28  
File 275:Gale Group Computer DB(TM) 1983-2003/Jun 26  
File 476:Financial Times Fulltext 1982-2003/Jun 27  
File 624:McGraw-Hill Publications 1985-2003/Jun 26  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jun 25  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jun 24  
File 613:PR Newswire 1999-2003/Jun 27  
File 813:PR Newswire 1987-1999/Apr 30  
File 16:Gale Group PROMT(R) 1990-2003/Jun 26  
File 160:Gale Group PROMT(R) 1972-1989  
File 634:San Jose Mercury Jun 1985-2003/Jun 26  
File 148:Gale Group Trade & Industry DB 1976-2003/Jun 25  
File 20:Dialog Global Reporter 1997-2003/Jun 27

Set	Items	Description
S1	210145	PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? ?
S2	78353	(HANDHELD OR HAND()HELD) (2W) (COMPUTER? ? OR INFORMATION() D- EVICE? ?)
S3	3634249	CHILDREN OR CHILD OR KID OR KIDS OR JUVENILE? ? OR YOUNGST- ER? ? OR (BOY? ? AND GIRL? ?)
S4	236047	(ELEMENTARY OR MIDDLE OR NURSERY)()SCHOOL? ? OR ELEMENTARY- ()GRADES OR GRADE()SCHOOL? ? OR PRESCHOOL? ? OR PRE()SCHOOL? ? OR KINDERGARTEN? ?
S5	20280	PALM()PILOT? ?
S6	283581	S1 OR S2 OR S5
S7	165	S3(2N)S6
<b>S8</b>	<b>3</b>	<b>S4(2N)S6</b>
S9	9	S7/TI,DE
S10	30	S7/AB
S11	38	S9:S10
S12	34	RD (unique items)
S13	3	S12/2002:2003
<b>S14</b>	<b>31</b>	<b>S12 NOT S13</b>

8/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02502803 SUPPLIER NUMBER: 74522953 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Why I'm the last of the PDA holdouts.(Technology Information)(Column)**

Patilla, Jody

eWeek, 57

May 14, 2001

DOCUMENT TYPE: Column ISSN: 1530-6283 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 577 LINE COUNT: 00049

TEXT:

...hospitals, replacing paper charts and prescription pads. In some well-off suburbs, schools are distributing PDAs to middle school students. These devices are used to store phone numbers and address lists, meeting notes, and...

14/8/15 (Item 1 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

08479141 Supplier Number: 72613773 (USE FORMAT 7 FOR FULLTEXT)

**Continuity Of Kids' Care: A provider organization works to improve continuity of care for homeless children by using hand - held pen tablet computers .**

April, 2001

Word Count: 1212

PUBLISHER NAME: American Banker-Bond Buyer

INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation); HLTH (Healthcare - Medical and Health)

**14/8/28 (Item 4 from file: 20)**

DIALOG(R)File 20:(c) 2003 The Dialog Corp. All rts. reserv.

12761518 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Chicago Tribune Technology Buzz Column**

September 11, 2000

WORD COUNT: 443

COMPANY NAMES: Microsoft Corp; Palm Computing Inc

COUNTRY NAMES/CODES: United States of America (US)

REGIONS: Americas; North America; Pacific Rim

PROVINCE/STATE: Washington; Illinois

SIC CODES/DESCRIPTIONS: 7372 (Prepackaged Software)

NAICS CODES/DESCRIPTIONS: 51121 (Software Publishers)

**14/3,AB/1 (Item 1 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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02027111 52322270

**Toy Fair 2000: Interactive innovations**

Dritsas, David

Dealerscope v42n4 PP: 30 Apr 2000 JRNL CODE: DEA

WORDCOUNT: 676

ABSTRACT: Interactive toy innovations introduced at the Toy Fair extravaganza in New York City, New York February 13-17, 2000, included Microsoft's Actimates, Video Buddy from Interactive Learning Group, the kid -oriented **personal digital assistant** from V-Tech, and Tiger Toys' i-cybie.

**14/3,AB/7 (Item 2 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02327653 SUPPLIER NUMBER: 55650072

**They've got the whole world in their palms.(electronic organizers and the elementary school student; includes related article) (Product Information)**

Greenman, Catherine

New York Times , Thu ed, col 1, D8(N) pG8(L)

Sept 2, 1999

ISSN: 0362-4331 LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Elementary and high school students are turning to electronic organizers, like the 3Com Palm products, to schedule their time and set reminders for assignment deadlines. For the most part, parents like the idea of the devices helping remind kids when its time to do a chore or homework. Though **kids** use the **handheld computers** to play games, organizers are still an expensive alternative to Game Boy, even with lower-priced models available for \$100. Some wonder whether it is healthy for children's time to be so scheduled and structured that a PDA is necessary.

14/3,AB/16 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.  
08478043 Supplier Number: 72606237  
**e\*BRAIN is savvy and sassy.**  
Detroit News (MI, 1995), p1B(1)  
March 5, 2001  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade  
ABSTRACT:  
Houston, TX-based DSI Toys Inc is introducing e\*BRAIN, a wireless electronic smartypants. It resembles a talking Palm Pilot but more fun and affordable at prices that range from \$30 to \$40. The product is a **personal digital assistant** aimed at **children** aged 8 to 13 years old. It comes with a software on a CD-ROM that offers endless programming options. The device operates on two AA batteries and includes almost 2,000 words and sound effects that children can use to create sentences and phrases.

14/3,AB/17 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.  
07938148 Supplier Number: 65531811  
**Pdas For The Kids : Cybiko's Youth. (Company Business and Marketing)**  
Torrieri, Marisa  
Wireless Data News, v8, n20, pNA  
Sept 27, 2000  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 413

14/3,AB/18 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.  
05044160 Supplier Number: 47404700  
**Newton unit will separate from Apple's core.**  
Schmit, Julie  
USA Today, pB1  
May 22, 1997  
Language: English Record Type: Abstract  
Document Type: Newspaper; Trade  
ABSTRACT:  
Apple Computer has ended months of speculation about its Newton hand-held computer division, by announcing that it will be spun-off as a wholly owned subsidiary. This allows Apple to retain control of the eMate division, its educational **hand - held computer for children**. Apple executives expressed the hope that separating Newton from Apple will allow the unit to operate free of Apple's problems. It is hoped that Newton buyers, holding back until a decision was made, will now come out in support of the hand-held computers. Software makers for the Newton had hoped that Apple would sell the unit outright.

14/3,AB/19 (Item 1 from file: 634)  
DIALOG(R)File 634:San Jose Mercury  
(c) 2003 San Jose Mercury News. All rts. reserv.  
11040039

**THE NEXT HOT TOYS MANUFACTURERS, DESIGNERS FLOCK TO SHOW IN HOPES OF  
FINDING NEXT SUPERSTAR**

San Jose Mercury News (SJ) - Friday, February 9, 2001

By: MAUREEN FAN, Mercury News New York Bureau

Edition: Morning Final Section: Business Page: 1C

Word Count: 996

CAPTION:

...ASSOCIATED PRESS

At right, toy presenter Marrielle Monte displays the Tiger Electronics digital camera and **personal digital assistants for kids**.

PHOTO (no photo credit given)...

**14/3,AB,K/22 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

13110083 SUPPLIER NUMBER: 70463153 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Intertainment PDA.( personal digital assistant for children )(Brief Article)**

Marketing, 68

Feb 1, 2001

DOCUMENT TYPE: Brief Article ISSN: 0025-3650 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 43 LINE COUNT: 00006

**14/3,AB,K/23 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

11583917 SUPPLIER NUMBER: 55294779 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Write on!( personal digital assistants and young children )**

Lang, Moira

Instructor (1990), 108, 8, 70(2)

May-June, 1999

ISSN: 1049-5851 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 887 LINE COUNT: 00073

ABSTRACT: Personal digital assistants are durable, handheld notebook computers which can engage the interest of the student and empower them. They are easy to use and their compactness evokes a sense of ownership that is exciting to children. Students can use these instruments to 'write' out their ideas without worrying about messing up their work through innumerable erasures or crossing out of words. Thus, they are more eager and willing to try out challenging, new words and ideas in the writing process.

**14/3,AB,K/26 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

15104890

**Catch the Buzz...Maxverse Introduces New Family of Wireless Devices For America's Youth at Toy Fair 2001**

PR NEWSWIRE

February 12, 2001

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 810

NEW YORK, AMERICAN INTERNATIONAL TOY FAIR, Feb. 12 /PRNewswire/ -- Wireless devices and tech toys may be all the rage. But tech toys that allow the youth of America to connect, share information, communicate and

be entertained are what promise to be the hot sellers in 2001. At Toy Fair 2001, Maxverse Interactive, Inc., a subsidiary of Toymax International, Inc. (Nasdaq: TMAX), is previewing the first products in a family of new interactive and wireless devices that open a new universe of communication and interactive entertainment to **tweens and teens**. Here's what the connected kid will be carrying and playing with in the months to come:

WireFly(TM). Think of it as an extreme mobile communicator, the first true wireless personal assistant just for teens. WireFly(TM) offers the screeching wireless functionality that today's techno-savvy kids want and their lifestyles demand, all in an ultra cool, palm size shell. It's loaded with killer applications, including mobile instant messaging, paging and interactive gaming. And it's practical, too. WireFly's **PDA** functionality lets **kids** maintain their schedule on the fly, keep friends' contact information handy, track and record homework assignments and otherwise organize and manage their lives. As a pager, WireFly serves as the ultimate connector -- keeping kids, family and friends in touch, anywhere, anytime. Plus, it has an open slot for interactive gaming, an MP3 player, an FM tuner, digital camera, and other accessories.

14/3,AB,K/29 (Item 5 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.  
12431712

**Computer Column**

Craig Crossman

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (COMPUTER COLUMN)

August 16, 2000

JOURNAL CODE: KCMP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 730

QUESTION: I hate to admit it but I can't exist without my Palm PDA. I use it in my professional as well as my personal life. In fact, I can't remember how I got along without one a mere two years ago. So I can relate to how my son feels every time he asks me to get him one. However, I can't justify spending \$300-\$400 on a Palm just for him. Any suggestions?

ANSWER: You're not alone with your feelings of PDA dependence. Not quite as prolific as the cell phone, it's become one of the more popular portable electronic gizmos to be found in the pockets of mobile adults. Cell phones, pagers and even portable CD players used to cost hundreds. Now you see kids using all these devices but with models that costing a lot less than their adult counterparts. The market for teen-age high-tech gadgets is big business, and the industry has responded with comparable full-featured, inexpensive models sporting youthful designs and jazzy neon colors. So it was only a matter of time before someone designed a **PDA** for **kids**.

14/3,AB,K/31 (Item 7 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.  
10223754

**Digital monsters beat paper, scissors, stone**

Gay McNamara

ABIX - AUSTRALASIAN BUSINESS INTELLIGENCE (WEST AUSTRALIAN) , p5

March 24, 2000

JOURNAL CODE: WTWA LANGUAGE: English RECORD TYPE: ABSTRACT  
WORD COUNT: 97

Forget Pokemon, the new craze hitting playgrounds is DigiMon. On 23



March 2000, the DigiMon Action Figures beat eight finalists to be crowned Australian Toy of the Year at the Australian Toy, Hobby and Nursery Fair in Melbourne. DigiMon, or digital monsters, started in a **handheld computer** game. **Children** feed and train them as they grow from primitive creature to fully fledged monster. With the 1999 winner Furby still echoing in parent's ears, the Australian Toy Association has some good news for parents. Most high-tech toys now come with an off switch, says chief executive Beverly Jenkins.

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200340

File 347:JAPIO Oct 1976-2003/Feb(Updated 030603)

File 371:French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	10614	PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? ?
S2	1464	(HANDHELD OR HAND()HELD) (2W) (COMPUTER? ? OR INFORMATION()D- EVICE? ?)
S3	41276	CHILDREN OR CHILD OR KID OR KIDS OR JUVENILE? ? OR YOUNGST- ER? ? OR (BOY? ? AND GIRL? ?)
S4	613	(ELEMENTARY OR MIDDLE OR NURSERY)()SCHOOL? ? OR ELEMENTARY- ()GRADES OR GRADE()SCHOOL? ? OR PRESCHOOL? ? OR PRE()SCHOOL? ? OR KINDERGARTEN? ?
S5	83	PALM()PILOT? ?
S6	11701	S1 OR S2 OR S5
S7	34	S3:S4 AND S6
S8	14	S3:S4(S)S6
S9	20	S7 NOT S8

8/7/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014835163 \*\*Image available\*\*

WPI Acc No: 2002-655869/200270

**Voice control unit for mobile devices, activates recognition engines  
associated with recognition result**

Patent Assignee: BARUCH A (BARU-I); BEN-DOR N (BEND-I); MOCHARY R (MOCH-I);  
RIEMER I (RIEM-I); YADID T (YADI-I)

Inventor: BARUCH A; BEN-DOR N; MOCHARY R; RIEMER I; YADID T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020091518	A1	20020711	US 2000254644	A	20001207	200270 B
			US 20015314	A	20011207	

Priority Applications (No Type Date): US 2000254644 P 20001207; US 20015314  
A 20011207

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
US 20020091518	A1		9	G10L-015/00	Provisional application US 2000254644

Abstract (Basic): US 20020091518 A1

NOVELTY - A recognition result receiver receives a recognition  
result. A recognition engine activator activates the recognition engine  
associated with the recognition result.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the  
following:

- (1) Mobile communication device;
- (2) Voice controlled apparatus;
- (3) Voice control method; and
- (4) Voice controlled telephone.

USE - For mobile devices (claimed) e.g. computer Dictaphones,  
**personal digital assistants**, children's toy, appliances, car  
telephones, locks, car accessories, audio/visual equipment and other  
voice operated appliances.

ADVANTAGE - The use of multiple recognition engines allow reduction  
in the required memory, computational load, system complexity and  
processing time. Each recognition engine is loaded and unloaded  
independently, thus allowing for changing of any single recognition

engine to a more appropriate engine or for upgrading of the current engine without affecting the other engines.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the voice recognition system and communication device.

pp; 9 DwgNo 1/2

Derwent Class: P86; T01; W01; W04; X22

International Patent Class (Main): G10L-015/00

8/7/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014446355 \*\*Image available\*\*

WPI Acc No: 2002-267058/200231

**Adjustable finger stylus for personal data assistant, has adjustable band which extends outwardly from longitudinal element having tapered stylus tip**

Patent Assignee: SCHNEIDER M L (SCHN-I)

Inventor: SCHNEIDER M L

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010053306	A1	20011220	US 2000211370	P	20000614	200231 B
			US 2001879507	A	20010612	
US 6533480	B2	20030318	US 2000211370	P	20000614	200322
			US 2001879507	A	20010612	

Priority Applications (No Type Date): US 2000211370 P 20000614; US 2001879507 A 20010612

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010053306	A1		9	B43K-001/10	Provisional application US 2000211370
US 6533480	B2			A46B-005/02	Provisional application US 2000211370

Abstract (Basic): US 20010053306 A1

NOVELTY - A longitudinal element (12) parallel to the length of the finger, curves upwardly at the finger tip from which a tapered stylus tip (10) extends. An adjustable band (20) extends outwardly from the longitudinal element.

USE - For use with touch sensitive electronic screens such as personal data assistant ( PDA ), cellular telephone, spread sheet applications, for playing digital music and also for video camera, video cellular telephones, digital cameras, garage and television remote controls, etc., which is used by **children** , teenagers, adults and used with a gloved hand e.g. nurses, paramedics, surgeons, etc.

ADVANTAGE - By using adjustable band, the accuracy in transferring the motion of the user's index finger to the end of stylus tip is maintained.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective side view of adjustable finger stylus.

Tapered stylus tip (10)

Longitudinal element (12)

Adjustable band (20)

pp; 9 DwgNo 1/10

Derwent Class: P24; P77; T01; T04

International Patent Class (Main): A46B-005/02; B43K-001/10

International Patent Class (Additional): A46B-005/02

8/7/10 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.  
014252924 \*\*Image available\*\*  
WPI Acc No: 2002-073624/200210

**Method for educating infant using internet and character-toy shape pda**

Patent Assignee: KANG S C (KANG-I)

Inventor: KANG S C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001074125	A	20010804	KR 200116685	A	20010329	200210 B

Priority Applications (No Type Date): KR 200116685 A 20010329

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001074125	A		1	G06F-017/00	

Abstract (Basic): KR 2001074125 A

NOVELTY - A method for educating an infant using the Internet and a character-toy shape PDA is provided for a child to use various education contents by connecting to the Internet regardless of time and place through a PDA (personal digital assistant).

DETAILED DESCRIPTION - An education contents developer(1) develops, processes, and manufactures various infant education contents and makes a database based on the education contents through a wireless Internet system of an Internet site and stores the database in a web server(3). A PDA producer develops and produces a character-toy shape PDA(4) for educating an infant. A distributor and seller sell and spread the PDA(4) through a member store, an organization, and a communication selling. A user(6) connects to the Internet and receives various education contents through the PDA.

pp; 1 DwgNo 1/10

Derwent Class: T01

International Patent Class (Main): G06F-017/00

8/7/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.  
014233362 \*\*Image available\*\*  
WPI Acc No: 2002-054060/200207

**Special educational system for brilliant children using communication network**

Patent Assignee: KIM J W (KIMJ-I)

Inventor: KIM J W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001069711	A	20010725	KR 200123291	A	20010430	200207 B

Priority Applications (No Type Date): KR 200123291 A 20010430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001069711	A		1	G06F-017/60	

Abstract (Basic): KR 2001069711 A

NOVELTY - A special educational system for brilliant children using communication network is provided to complement an off-line education based on a dot card, a picture card, a Korean language card, an English language card, and a Chinese character reading card.

DETAILED DESCRIPTION - A computer(110), a mobile communication terminal, or a PDA having a communication function connects to a

gifted person management server(120) through a communication network.  
The gifted person management server(120) comprises a storing  
device(124) storing teaching materials of an unweaned **child** and an  
infant and a processor(122) accessing data being stored in the storing  
device(124) and providing the data to the computer(110) being connected  
to an on-line. The data stored in the storing device(124) are a dot  
card, a picture card, a Korean language card, an English language card,  
and a Chinese character reading card etc. The processor(122) is  
controlled for displaying one dot card on one screen for one second by  
one dot card and an effect sound is generated.

pp; 1 DwgNo 1/10

Derwent Class: T01

International Patent Class (Main): G06F-017/60

8/7/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011131196 \*\*Image available\*\*

WPI Acc No: 1997-109120/199710

Communication system for several game computers and children PDAs -  
establishes exclusive bidirectional, e.g. infrared, communication between  
selected local application and application in one or more other apparatus  
using message frame with message type and channel fields

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG ); PHILIPS  
ELECTRONICS NV (PHIG ); PHILIPS NORDEN AB (PHIG ); US PHILIPS CORP  
(PHIG )

Inventor: BEUK L G M; ENGEL A J P M

Number of Countries: 021 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9702550	A2	19970123	WO 96IB625	A	19960701	199710 B
TW 301102	A	19970321	TW 96110260	A	19960822	199725
WO 9702550	A3	19970306	WO 96IB625	A	19960701	199728
EP 784837	A1	19970723	EP 96917624	A	19960701	199734
			WO 96IB625	A	19960701	
JP 10505698	W	19980602	WO 96IB625	A	19960701	199832
			JP 97504948	A	19960701	
US 5774673	A	19980630	US 96673882	A	19960702	199833
KR 98701205	A	19980515	WO 96IB625	A	19960701	199918
			KR 97701551	A	19970305	
EP 784837	B1	20011107	EP 96917624	A	19960701	200169
			WO 96IB625	A	19960701	
DE 69616734	E	20011213	DE 616734	A	19960701	200205
			EP 96917624	A	19960701	
			WO 96IB625	A	19960701	

Priority Applications (No Type Date): EP 95201836 A 19950705

Cited Patents: 1.Jnl.Ref; DE 4314145; EP 405776; GB 2298752; JP 6190147; US  
4764981; US 5331450

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9702550 A2 E 45 G08C-025/02

Designated States (National): JP KR

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

TW 301102 A H04Q-007/06

WO 9702550 A3 G08C-025/02

EP 784837 A1 E G08C-025/02 Based on patent WO 9702550  
Designated States (Regional): DE FR GB IT  
JP 10505698 W 56 G06F-013/00 Based on patent WO 9702550  
US 5774673 A G06F-013/38  
KR 98701205 A G08C-025/02 Based on patent WO 9702550  
EP 784837 B1 E G08C-025/02 Based on patent WO 9702550  
Designated States (Regional): DE FR GB IT  
DE 69616734 E G08C-025/02 Based on patent EP 784837  
Based on patent WO 9702550

Abstract (Basic): WO 9702550 A

The communications system has an active activation device (310) which invites applications in the other apparatus to join a selected application by using a message transmitter (200) to broadcast a frame, requesting the activation of the selected application. The activation device (310) also determines a communication channel which corresponds to the application.

Upon receiving the broadcast frame via a message receiver (210), a passive activation device (30) in other apparatus (101, e.a.) prepare for communication via the corresp. communication channel if a local application needs to be activated. The group of applications, which in this way has been formed, communicates by using group frames. The group frames comprise a channel field which identifies a communication channel. The formed group of applications uses the communication channel which corresponds to the selected application in the appts. (100).

USE - For hand-held communicators, e.g. hand-held game computers for playing group game, e.g. solving puzzle, also for transmitting message to other classmates, playing chess, displaying note on 'notice board', drawing on graffiti wall, etc, using graphic tablet for input via pen or finger. Also for interactive television.

Dwg.2/14

Derwent Class: T01; W02; W03; W04; W05

International Patent Class (Main): G06F-013/00; G06F-013/38; G08C-025/02; H04Q-007/06

International Patent Class (Additional): G06F-015/16; G06F-019/00; G06F-161/00; G08C-023/04; H04B-001/38; H04L-009/32; H04L-012/18; H04L-012/56

9/7/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014968814 \*\*Image available\*\*

WPI Acc No: 2003-029328/200302

**Handheld data processing system for educational application, has data processing device that renders graphical object representation to diminish gradually during object transmission to other data processing device**

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG ); ANDREWS A O (ANDR-I); KIDNEY N G (KIDN-I); WARNES A D (WARN-I)

Inventor: ANDREWS A O; KIDNEY N G; WARNES A D; ANDREWS A O A; KIDNEY N; WARNES A

Number of Countries: 023 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020140625	A1	20021003	US 2001823460	A	20010330	200302 B
WO 200279969	A2	20021010	WO 20021B987	A	20020328	200302
KR 2003007819	A	20030123	KR 2002716355	A	20021130	200336

Priority Applications (No Type Date): US 2001823460 A 20010330

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020140625 A1 8 G09G-005/00

WO 200279969 A2 E G06F-003/14

Designated States (National): CN JP KR

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE TR

KR 2003007819 A G06F-003/14

Abstract (Basic): US 20020140625 A1

NOVELTY - A pair of data processing devices (102,104) has data output and input units (106,126) for transmission and receiving of a graphical object such as applet respectively. The data processing device (102) renders representation of the graphical object to diminish gradually leaving a visual portion of a display monitor (110) during the progress of transmission of the graphical object.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Electronic object; and

(2) Electronic object transfer software application.

USE - For e.g. PDA, PC for use as medical monitoring device. Also for gaming, educational applications, toys, etc.

ADVANTAGE - The transfer of the graphical object can be controlled by the user according to the orientation or fitting of the transmitter. Even the child can easily learn the manipulation of the processing device by using the highly initiative graphical user interface without manual approach on the control software or menu selection.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the data processing system.

Data processing devices (102,104)

Data input and output units (106,126)

Display monitor (110)

pp; 8 DwgNo 1/6

Derwent Class: P85; T01; W04

International Patent Class (Main): G06F-003/14; G09G-005/00

9/7/12 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014241351 \*\*Image available\*\*

WPI Acc No: 2002-062051/200208

**Personal location monitoring system for tracking child by using communication device worn by monitored person storing boundary rule set and geographical location**

Patent Assignee: GEOWIRELESS LLC (GEOW-N); JONES T H (JONE-I)

Inventor: JONES T H

Number of Countries: 091 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200182259	A1	20011101	WO 2001US13195	A	20010424	200208 B
US 20010052849	A1	20011220	US 2000199848	P	20000426	200208
			US 2001842360	A	20010424	
AU 200157217	A	20011107	AU 200157217	A	20010424	200219

Priority Applications (No Type Date): US 2001842360 A 20010424; US

2000199848 P 20000426

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200182259 A1 E 20 G08B-023/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20010052849 A1 G08B-021/00 Provisional application US 2000199848

AU 200157217 A G08B-023/00 Based on patent WO 200182259

Abstract (Basic): WO 200182259 A1

NOVELTY - Method is by using a radio communication device (20) worn by the monitored person (10) which can determine its current geographical location, store a boundary rule set and compare them to notify any breach of the boundary rule to a communications network.

DETAILED DESCRIPTION - The logical identity of an endpoint (60) accessible through the network and routing conditions (time of day, geographic location of wearer, altitude of wearer, direction of wearer movement etc.) are stored in a server (40). Notification of a breach is received and communicated to a designated endpoint, which is a pager, telephone, **Personal Digital Assistant ( PDA )**, web page etc.

USE - Method is for monitoring the location of a person by e.g. parents using Global Positioning technology.

DESCRIPTION OF DRAWING(S) - The drawing shows a diagram of the equipment used.

Monitored person (10)  
Radio communication device (20)  
Central server (40)  
Endpoints (60)  
pp; 20 DwgNo 1/7

Derwent Class: W02; W05; W06

International Patent Class (Main): G08B-021/00; G08B-023/00



File 348:EUROPEAN PATENTS 1978-2003/Jun W04

File 349:PCT FULLTEXT 1979-2002/UB=20030626,UT=20030619

Set	Items	Description
S1	15275	PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? ?
S2	3070	(HANDHELD OR HAND()HELD) (2W) (COMPUTER? ? OR INFORMATION()D-EVISE? ?)
S3	40005	CHILDREN OR CHILD OR KID OR KIDS OR JUVENILE? ? OR YOUNGST-ER? ? OR (BOY? ? AND GIRL? ?)
S4	541	(ELEMENTARY OR MIDDLE OR NURSERY) ()SCHOOL? ? OR ELEMENTARY-()GRADES OR GRADE()SCHOOL? ? OR PRESCHOOL? ? OR PRE()SCHOOL? ? OR KINDERGARTEN? ?
S5	794	PALM()PILOT? ?
S6	17189	S1 OR S2 OR S5
S7	100	S3:S4(S)S6
S8	9	S3:S4(5N)S6
S9	3	S7/TI,DE,AB NOT S8

8/3,AB,K/6 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00977255

**SEEMINGLY TEACHABLE TOYS**

**JOUETS A CAPACITE D'APPRENTISSAGE APPARENTE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200307273 A2-A3 20030123 (WO 0307273)

Application: WO 2002US22302 20020712 (PCT/WO US0222302)

Priority Application: US 2001305031 20010712

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 20126

**English Abstract**

Seemingly teachable toys. The term "toys" includes toy characters (10) embodied in three-dimensional tangible form and those only visually seen and/or acoustically heard (e.g. a cartoon character in a video game or a voice heard over the phone). Illustrated embodiments involve toys that appear to progressively learn to use a word. The toys may initially speak or display protowords related to the character but not to the word. When a predetermined criterion is satisfied, such as a certain number of

repetitions of the word being recognized, the toy may add to its output metawords that are related to the word. When a further criterion is achieved, the toy may add the word to its output. Similarly, the teachable toy may also learn to say phrases, sentences, and even carry on an apparently intelligent conversation.

Fulltext Availability:

Detailed Description

Detailed Description

... be a hand-held game playing unit or hand-held processing unit, e. g. Game **Boy** Advance from NINTENDO, a **PDA**, iPAQ Pocket PC from COMPAQ, etc. The audio input and audio output are handled by...

9/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00857685 \*\*Image available\*\*

**PROGRAMMABLE COMMUNICATOR**

**APPAREIL DE COMMUNICATION PROGRAMMABLE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200191428 A2-A3 20011129 (WO 0191428)

Application: WO 2001EP5738 20010518 (PCT/WO EP0105738)

Priority Application: FI 20001239 20000523

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10295

English Abstract

A system and method for a programmable communicator is described which can provide an improved **child** communication device, a telecommunications platform for a smart clothes application, as well as a programmable...

...programmable communicator can be programmed remotely by a mobile phone or any Personal Data Assistant ( **PDA** ) type device using any data transmission technology such as BlueTooth, Infra red light or any...

...communication either directly at close range, or via a mobile telecommunications network connection from a **hand - held** device or **computer** terminal connected to a data or IP transmission network such as the Internet.